

Title (en)

NFC device context determination through proximity gestural movement detection

Title (de)

NFC-Vorrichtungskontextbestimmung durch Näherungsgestenbewegungserkennung

Title (fr)

Détermination de contexte de dispositif NFC par détection de mouvement de gestuelle de proximité

Publication

EP 2665197 A3 20160302 (EN)

Application

EP 12006413 A 20120912

Priority

US 201213473222 A 20120516

Abstract (en)

[origin: EP2665197A2] An apparatus and system are provided for interpreting the gestural path of a first NFC device within NFC range of a second NFC device, or the gestural path of the second NFC device within range of the first NFC device, to determine context for a pre-determined function. The second NFC device includes a plurality of inductive coupling elements, each element configured to output a signal when within range of the first NFC device. A controller module receives the signal from each element when the first NFC device is within range and determines a path of the first NFC device across the second NFC device based on a time difference of receipt at the controller of the signals. The plurality of inductive coupling elements may be active or passive, and interact with the first NFC device in a peer-to-peer mode or read/write mode, depending on the configuration of each device.

IPC 8 full level

H04B 5/00 (2006.01)

CPC (source: EP KR US)

G06K 17/00 (2013.01 - KR); **H04B 5/00** (2013.01 - EP US); **H04B 5/48** (2024.01 - KR)

Citation (search report)

- [A] WO 2008117029 A2 20081002 - INNOVISION RES & TECH PLC [GB], et al
- [A] US 2012116861 A1 20120510 - DOBYNS DOUGLAS HOWARD [US]

Cited by

EP3156979A1; US9836898B2; US10057744B2; WO2015185954A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2665197 A2 20131120; EP 2665197 A3 20160302; EP 2665197 B1 20170329; CN 103427879 A 20131204; KR 101362816 B1 20140213; KR 20130128301 A 20131126; TW 201349778 A 20131201; TW I469553 B 20150111; US 2013309964 A1 20131121; US 9306626 B2 20160405

DOCDB simple family (application)

EP 12006413 A 20120912; CN 201210592953 A 20121231; KR 20120108957 A 20120928; TW 101137671 A 20121012; US 201213473222 A 20120516